



**UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/202,902	12/22/98	KIM	2729-055

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WM51/1107

EXAMINER

WU, X

ART UNIT	PAPER NUMBER
2674	5

DATE MAILED: 11/07/00

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

LK

Office Action Summary

Application No.

09/202,902

Applicant(s)

Kim

Examiner

X/DO Wn

Group Art Unit

2074

—The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Status

- ☒ Responsive to communication(s) filed on 9-19-00
- ☒ This action is FINAL.
- ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- ☒ Claim(s) 1, 5-7 is/are pending in the application.
- Of the above claim(s) _____ is/are withdrawn from consideration.
- ☒ Claim(s) 5-7 is/are allowed.
- ☒ Claim(s) 1 is/are rejected.
- ☐ Claim(s) _____ is/are objected to.
- ☐ Claim(s) _____ are subject to restriction or election requirement.

Application Papers

- ☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.
- ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119 (a)-(d)

- ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
 - ☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been received.
 - ☐ received in Application No. (Series Code/Serial Number) _____
 - ☐ received in this national stage application from the International Bureau (PCT Rule 1.7.2(a)).

*Certified copies not received: _____

Attachment(s)

- ☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____
- ☐ Interview Summary, PTO-413
- ☐ Notice of Reference(s) Cited, PTO-892
- ☐ Notice of Informal Patent Application, PTO-152
- ☐ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Other _____

Office Action Summary

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1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371© of this title before the invention thereof by the applicant for patent.

2. Claim 1 is rejected under 35 U.S.C. 102(e) as being anticipated by Kameyama et al (US Patent No. 5,959,61).

As to claim 1, Kameyama discloses a method of driving a surface discharge plasma panel having a first substrate (21) and a second substrate(28) space apart and facing each other, and common electrodes (2), scan electrodes (11), and address electrodes (13) arranged between the first and second substrates, the common electrodes (12) being arranged in parallel with the scan electrodes (11), the address electrodes (13) being arranged orthogonal to the common electrodes and the scan electrodes to form respective intersections which each define a corresponding pixel, comprising: a resetting step (e.g. RESET PERIOD of Fig. 5) of applying a first voltage between the scan electrodes and the address electrodes to accumulate wall charges in the respective pixel by a facing discharge, and removing the wall-charges accumulated by the facing discharge; an addressing step (e.g. ADDRESSING PERIOD of Fig. 5) of applying a second voltage between a corresponding scan electrodes and second address electrodes so that a facing discharge occurs, to form wall-charges in the selected pixels; and a sustained discharging step (e.g. SUSTAINING

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DISCHARGE PERIOD of Fig. 5) of applying a third alternating-current voltage between the scan electrodes and common electrodes so that a surface discharge occurs in the selected pixels.

3. Claims 5-7 are allowed.

4. Applicant's arguments filed 9/19/2000 have been fully considered but they are not persuasive.

Applicant argues that Kameyama does not disclose “a resetting step of applying a first voltage between the scan electrodes and the address electrodes to accumulate wall charge in the address electrodes to accumulate wall charge in the respective pixel by a facing discharge, and removing the wall-charges accumulated by the facing discharge” as recited in claim 1. This argument is not persuasive. As shown in Fig. 5 of Kameyama, a resetting step of applying a first voltage between the scan electrodes and the address electrodes. For example, voltage V_{aw} is applied to address electrode and 0v is applied to the scan electrodes during the reset period. It is believed that the broadly claimed structure is still read on Kameyama.

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

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CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Xiao Wu whose telephone number is (703) 305-4721. The examiner can normally be reached on Monday to Friday from 8:00 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe, can be reached on (703) 305-4709.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Any response to this final action should be mailed to:

Box AF

Commissioner of Patents and Trademarks

Washington, D.C. 20231

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or faxed to:


(703) 308-9051, (for formal communications; please mark "EXPEDITED
PROCEDURE")

Or:

(703) 308-6606 (for informal or draft communications, please label
"PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington. VA.,
Sixth Floor (Receptionist).

xw
November 2, 2000


XIAO WU
PRIMARY EXAMINER
ART UNIT 2674